

Figure 1

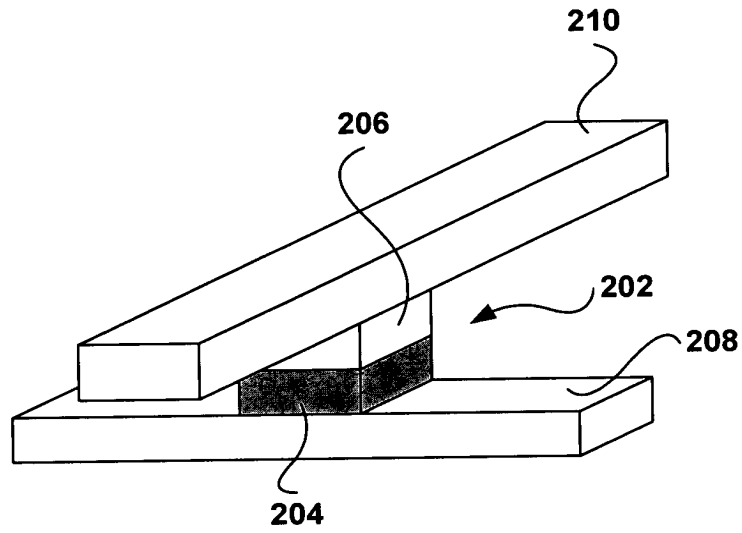


Figure 2A

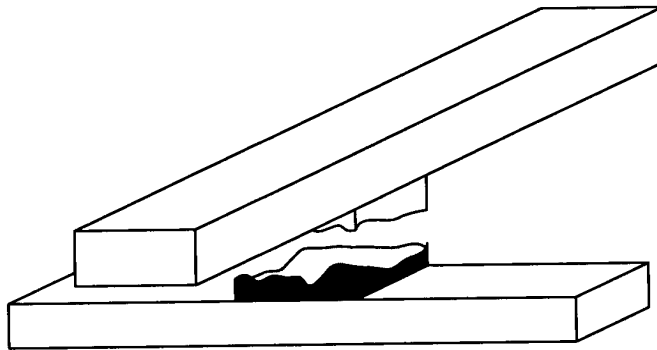
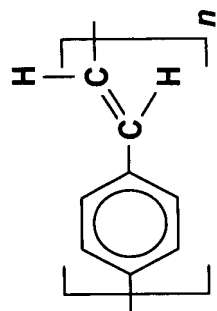
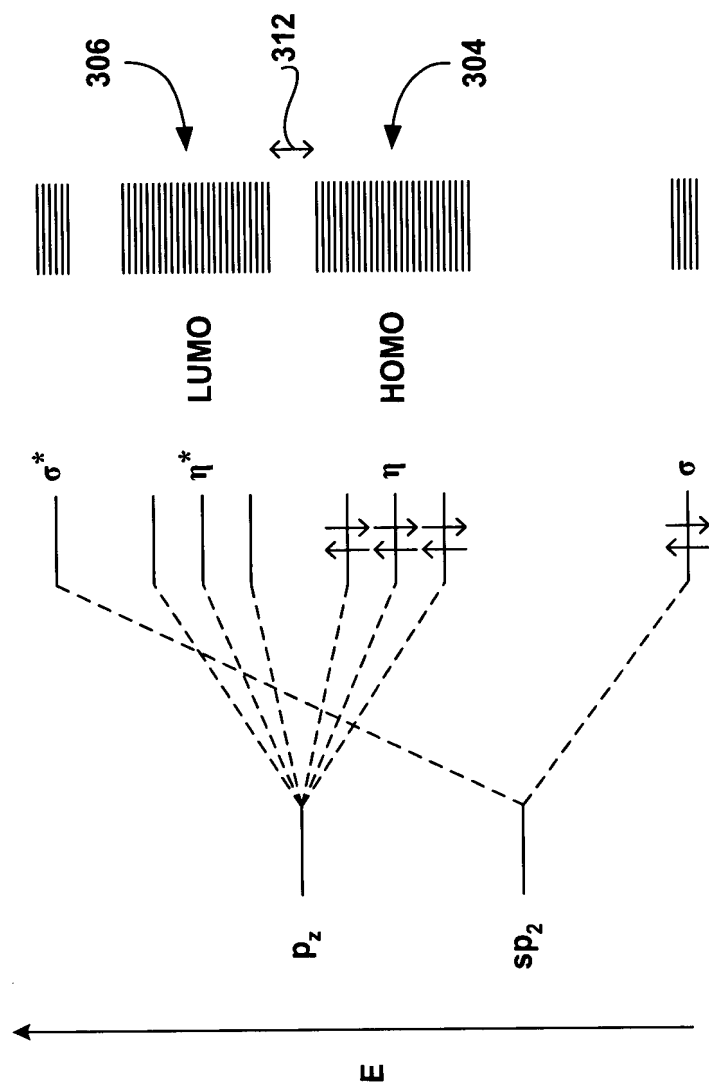
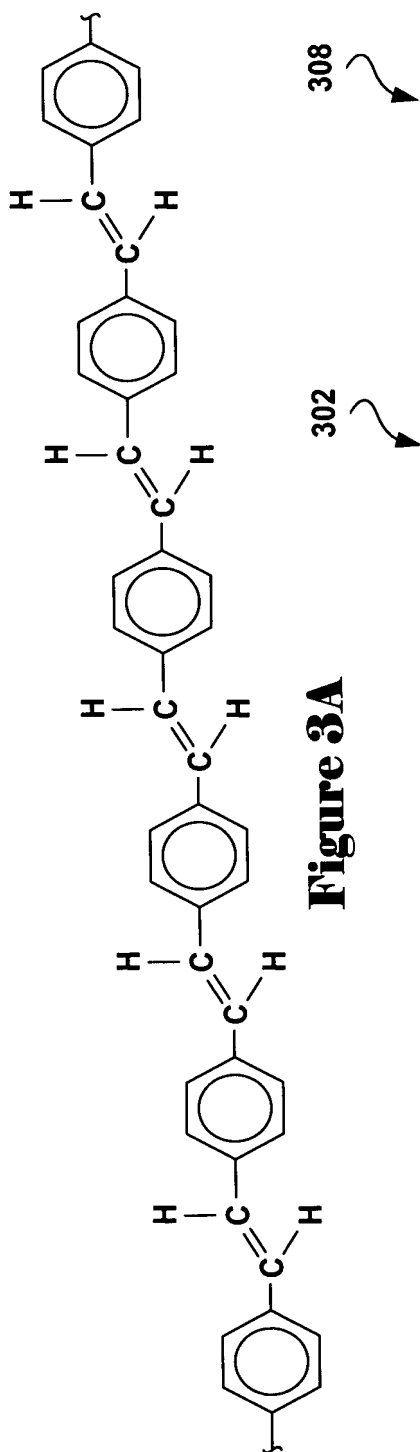


Figure 2B





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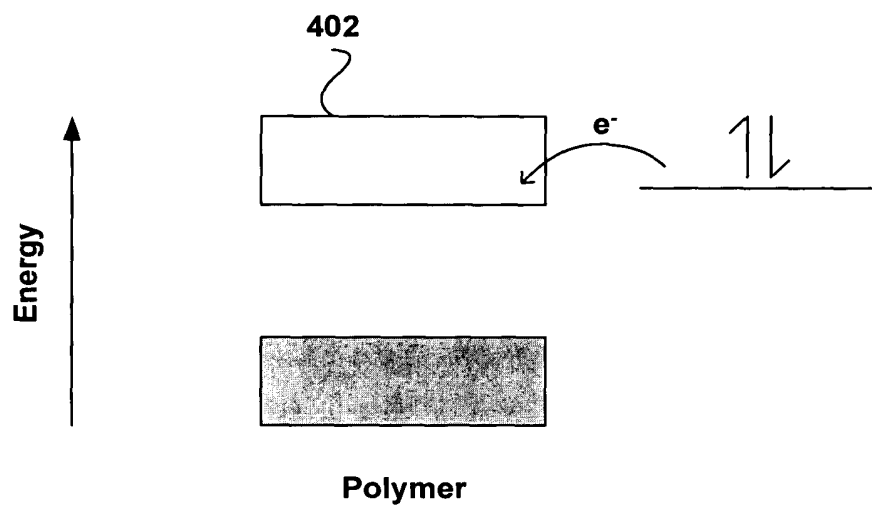


Figure 4A

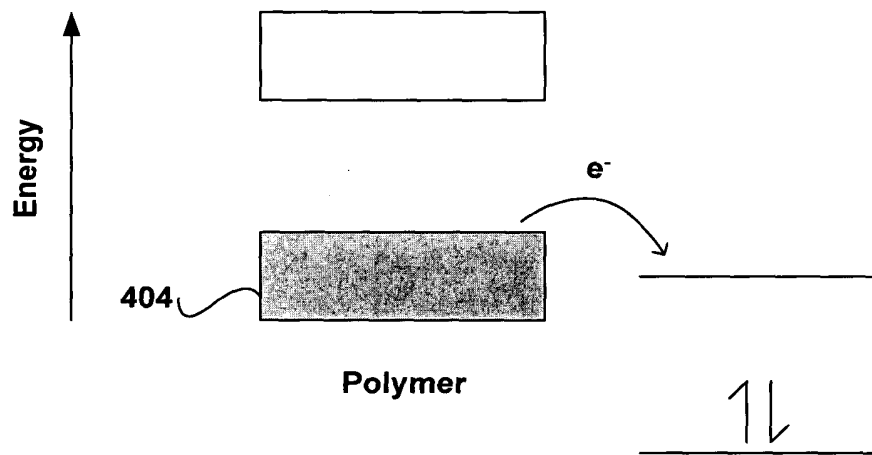


Figure 4B

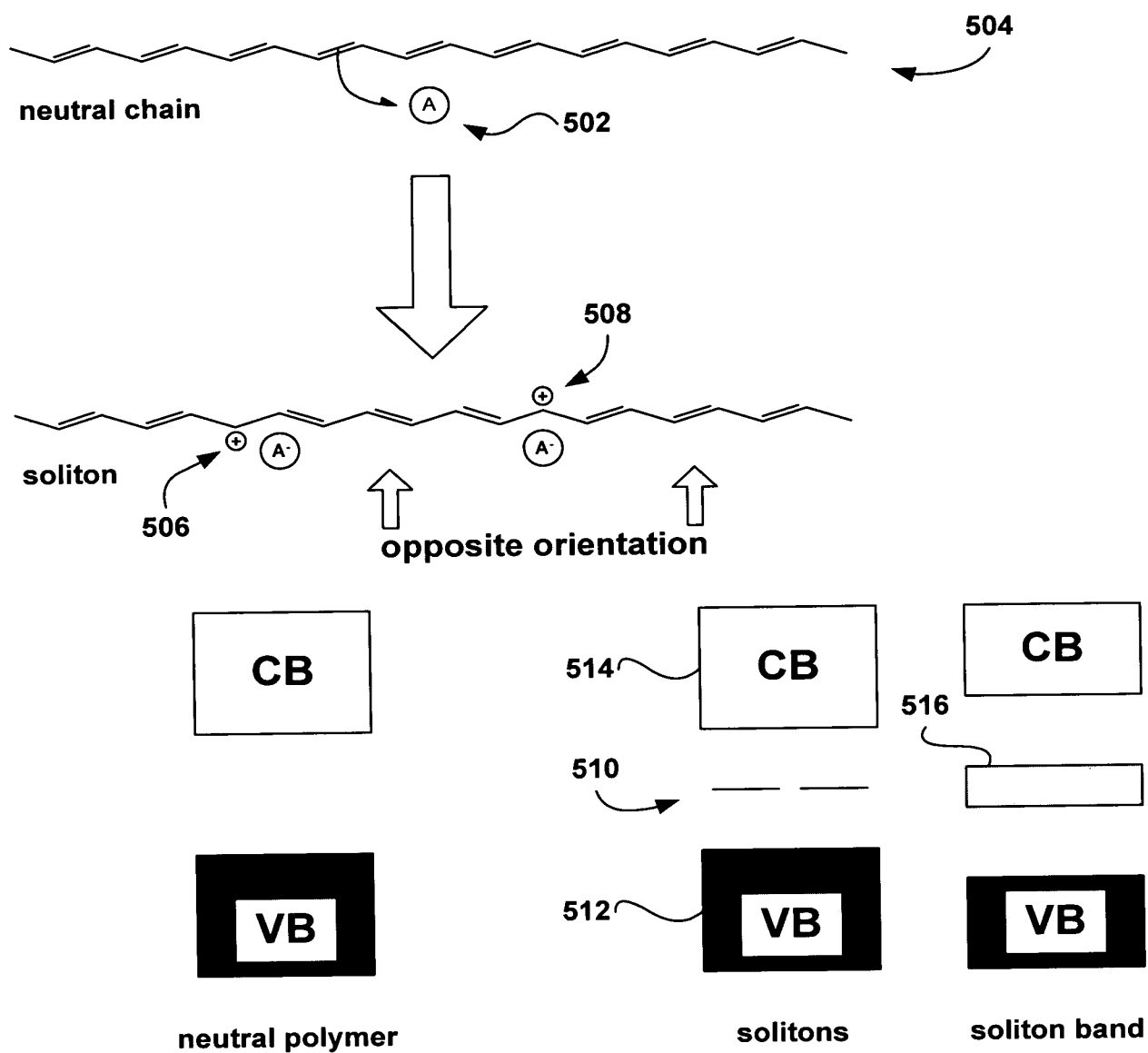


Figure 5

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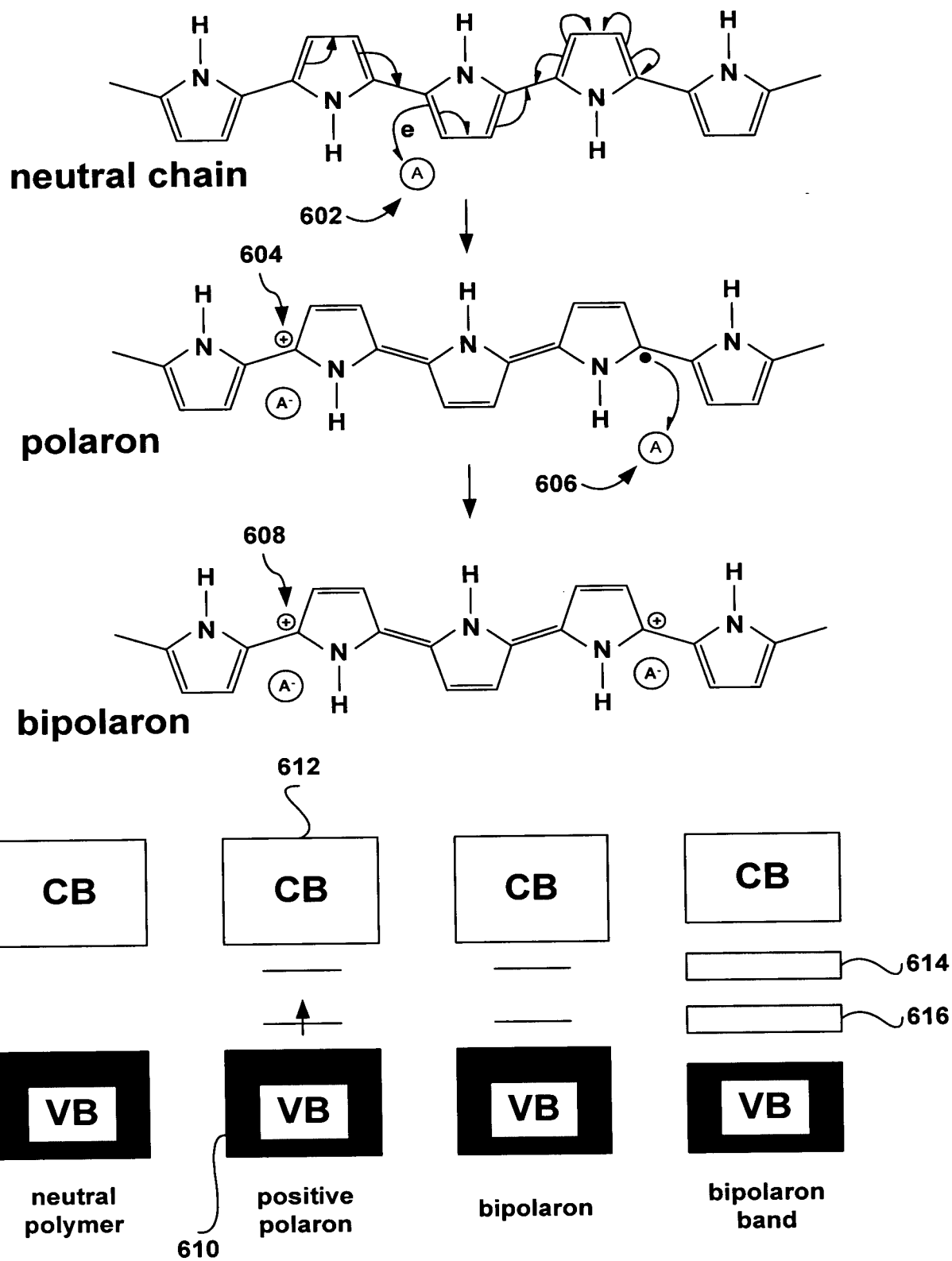


Figure 6

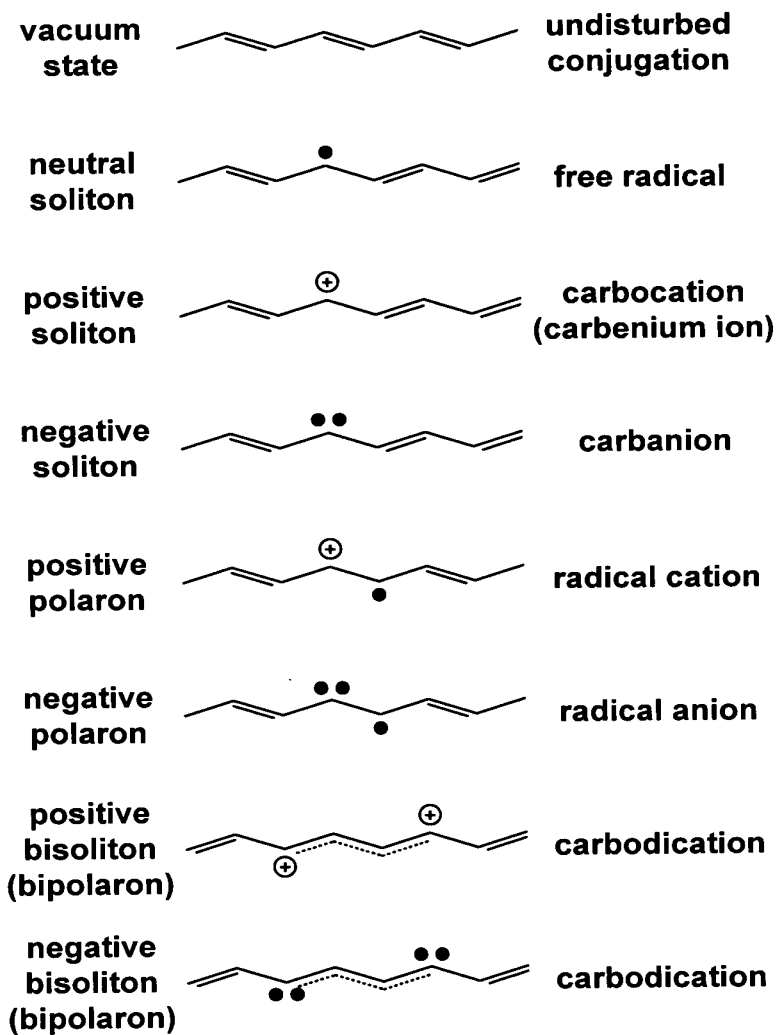


Figure 7

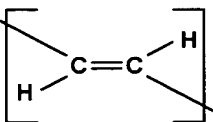
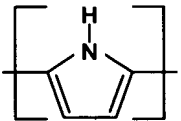
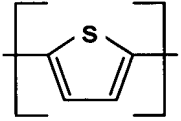
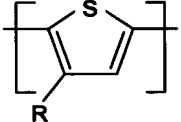
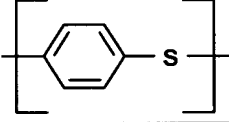
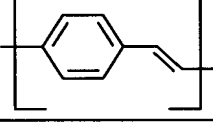
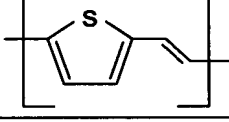
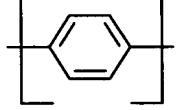
| polymer | structure | dopants |
|-------------------------|---|----------------------------|
| polyacetylene |  | I_2, Br_2, Li, Na, AsF_5 |
| polypyrrole |  | BF_4^-, ClO_4^- |
| polythiophene |  | BF_4^-, ClO_4^- |
| poly (3-alkylthiophene) |  | BF_4^-, ClO_4^- |
| polyphenylene sulphide |  | AsF_5 |
| polyphenylenevinylene |  | AsF_5 |
| polythienylenevinylene |  | AsF_5 |
| polyphenylene |  | AsF_5, Li, Na |

Figure 8A

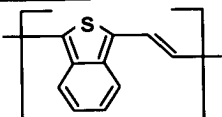
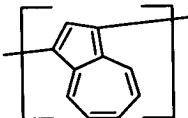
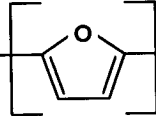
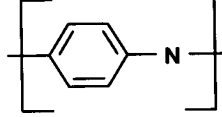
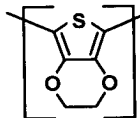
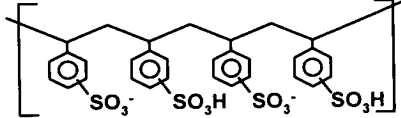
| polymer | structure | dopants |
|-------------------------------------|--|--|
| polyisothianaphthelene |  | BF_4^- , ClO_4^- |
| polyazulene |  | BF_4^- , ClO_4^- |
| polyfuran |  | BF_4^- , ClO_4^- |
| polyaniline |  | HCl |
| poly (3,4- ethylene dioxothiophene) |  |  |
| | | |
| | | |
| | | |

Figure 8B

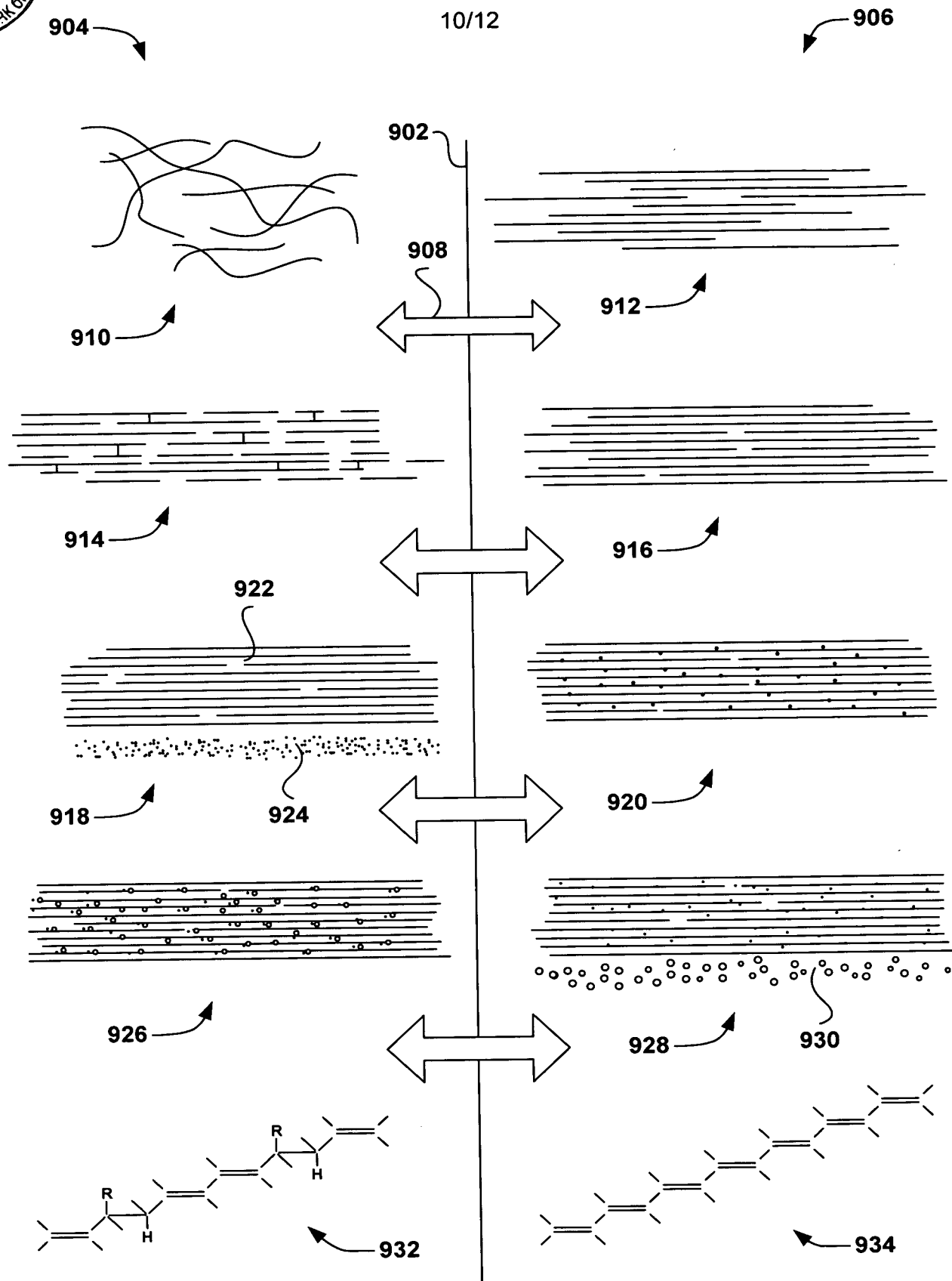


Figure 9

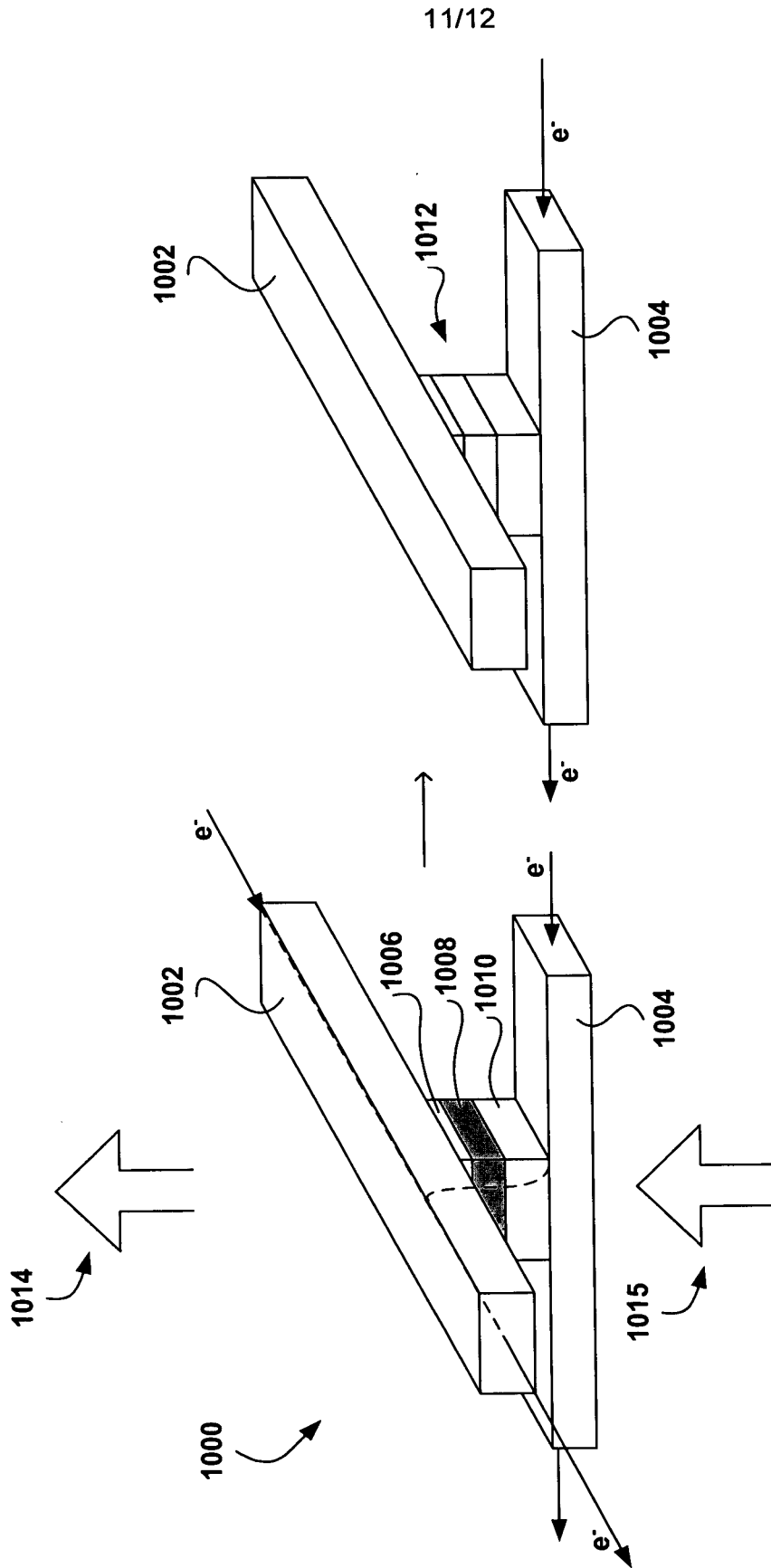


Figure 10

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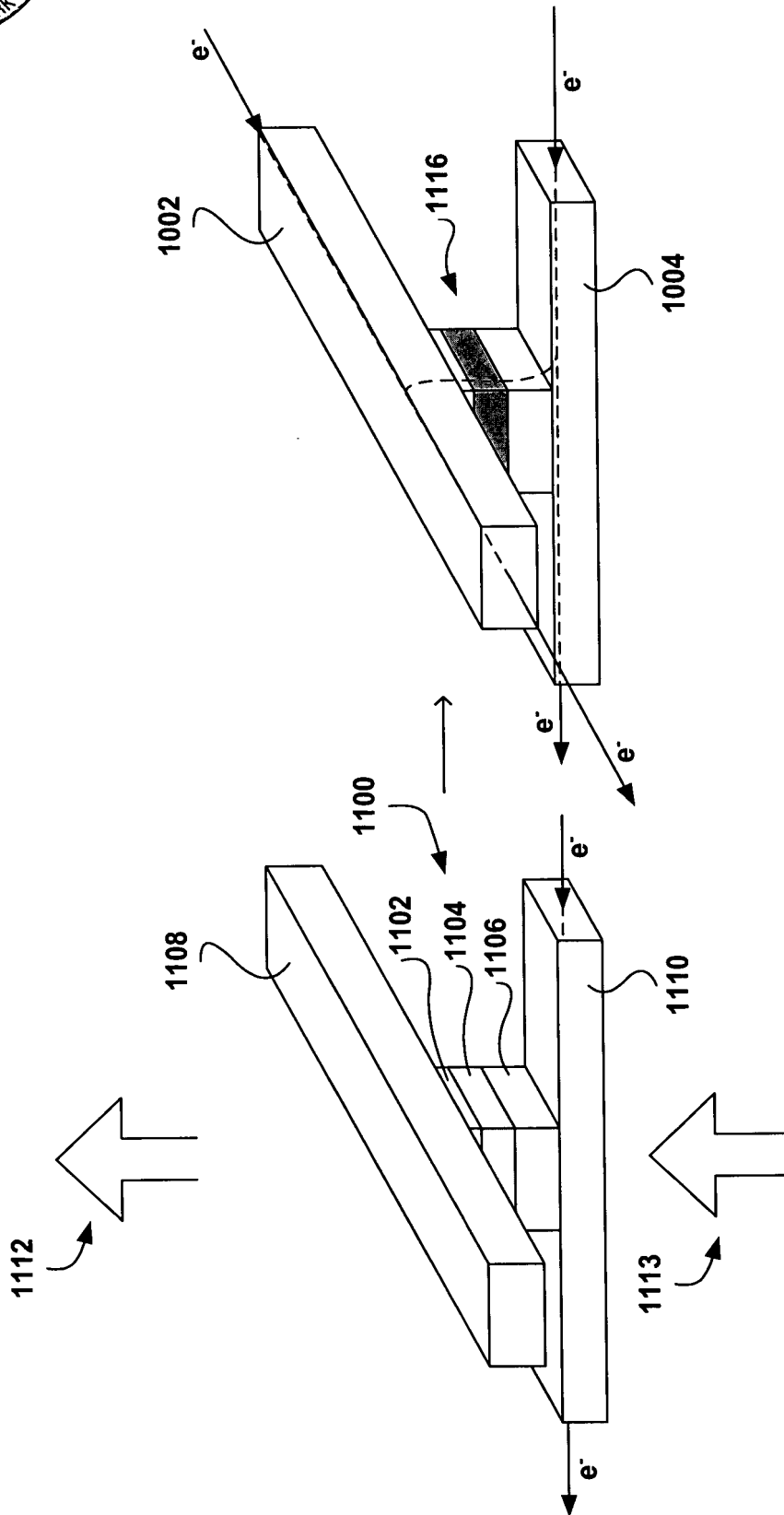


Figure 11